

Converting Colors

CIELCh(42, 19.034, 292.453)

Have a look what the booklet for
CIELCh(42, 19.034, 292.453)
contains.

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Color

CIELCh(42, 19.380, 292.985)

Conversions

Conversions Part 1

Format	Color
Hex	606080
RGB	96, 96, 128
RGB Percent	38%, 38%, 50%
CMY	0.6222, 0.6222, 0.4967
CMYK	0.25, 0.25, 0.00, 0.50
HSL	240°, 14%, 44%
HSV	240°, 25%, 50%
XYZ	12.9928, 12.5000, 22.2722
YIQ	99.6480, -10.2720, 9.9520

Conversions

Conversions Part 2

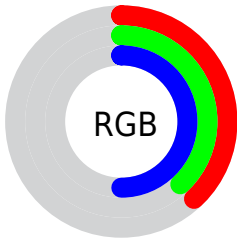
Format	Color
R_{YB}	96, 96, 128
Decimal	6316160
CIE _{Lab}	42.00, 7.57, -17.84
CIE _{LCh}	42, 19.380, 292.985
Yxy	12.5000, 0.2720, 0.2617
Android (android.graphics.Color)	4284506240 (0xFF606080)
YUV	99.6480, 13.9775, -3.1993
Hunter-Lab	35.3553, 3.7254, -12.6012

Details

The CIELCh color $42, 19.380, 292.985$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 18.317, 107.868$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 19.700, 293.337$, and $22, 19.493, 293.311$ is the 20% darker color. If you saturate the color by 10%, you get $37, 27.710, 294.451$, and if you desaturate by 10%, it is $47, 11.382, 291.730$.

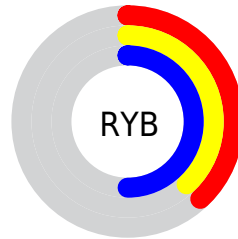
Distribution



Red (38%)

Green (38%)

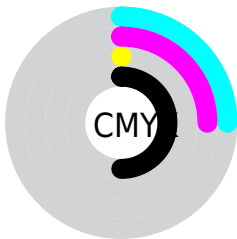
Blue (50%)



Red (38%)

Yellow (38%)

Blue (50%)

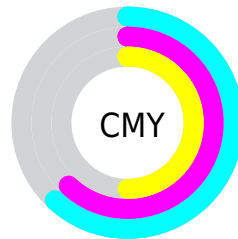


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (50%)



Cyan (62%)


Magenta (62%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 19.380, 292.985 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 42, 19.380, 292.985 by changing the saturation by 10% instead.


 42, 19.380,
292.985


 42, 19.380,
292.985


 100, 19.380,
292.985


 32, 19.380,
292.985

 62, 19.380,
292.985


 22, 19.380,
292.985

 72, 19.380,
292.985


 12, 19.380,
292.985


 82, 19.380,
292.985

 2, 19.380, 292.985

 92, 19.380,
292.985

 0, 19.380, 292.985

 42, 19.380,

 42, 19.380,

292.985

■ 37, 27.710,
294.451

■ 33, 36.383,
296.147

■ 28, 45.369,
298.067

■ 24, 54.529,
300.158

■ 20, 63.493,
302.279

■ 16, 71.487,
304.187

■ 14, 77.497,
305.605

■ 13, 80.431,
306.288

292.985

■ 47, 11.382,
291.730

■ 51, 3.698, 290.667

■ 56, 3.696, 109.728

■ 61, 10.822,
108.956

■ 65, 17.699,
108.287

■ 70, 24.343,
107.711

■ 74, 30.770,
107.212

■ 79, 36.994,
106.779

■ 83, 43.027,
106.401

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42, 19.380, 292.985



53, 18.317, 107.868

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42, 19.380, 292.985



42, 19.380, 342.985



42, 19.380, 112.985



42, 19.380, 162.985

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42, 19.379, 292.984



64, 6.476, 290.886



51, 11.879, 198.202



33, 4.244, 290.931



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 19.379, 292.984



51, 29.063, 293.798



43, 20.285, 310.208



24, 4.222, 291.085



13, 80.045, 306.288



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45, 22.803, 325.747



55, 33.753, 326.042



52, 19.627, 127.968



25, 5.101, 324.902



30, 69.121, 328.239



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 42, 19.380, 292.985 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 42, 19.380, 292.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

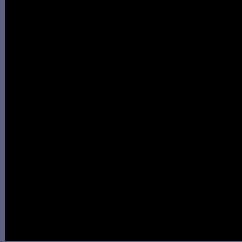
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 19.380, 292.985

Background



This preview shows how black text looks on a background with the CIELCh color 42, 19.380, 292.985.



This preview shows how white text looks on a background with the CIELCh color 42, 19.380, 292.985.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

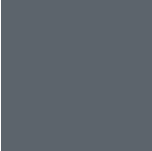
42, 19.380, 292.985

Protanopia

42, 19.421, 285.592

Deuteranopia

42, 18.774, 288.485



Tritanopia
42, 5.707, 257.349

Trichromacy



Original Color
42, 19.380, 292.985

Protanomaly
42, 19.373, 288.724

Deuteranomaly
42, 18.757, 289.573

Tritanomaly
42, 9.812, 280.300

Monochromacy



Original Color
42, 19.380, 292.985

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 6.645, 291.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 19.380, 292.985 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(96, 96, 128)` looks like.

```
.text, #text, p{  
    color:rgb(96, 96, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(96, 96, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 96, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 19.380, 292.985 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 96, 128) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(96, 96, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(96, 96, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 96, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 96, 128);  
box-shadow:4px 4px 4px 4px rgb(96, 96,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 19.380, 292.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 96, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(96, 96,  
128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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